| Ref<br># | Hits | Search Query                   | DBs                                                                        | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--------------------------------|----------------------------------------------------------------------------|---------------------|---------|------------------|
| S1       | 6    | ((DSUN-CHIE) near2 (TWU)).INV. | US-PGPUB;<br>USPAT                                                         | ADJ                 | ON      | 2007/04/24 17:34 |
| S2       | 4    | ((HAI-WEI) near2 (WANG)).INV.  | US-PGPUB;<br>USPAT                                                         | ADJ                 | ON      | 2007/04/24 17:36 |
| S3       | 26   | "6034669"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/04/24 18:19 |
| S4       | 567  | "Realtek"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/04/24 20:01 |
| S5       | 2    | "20040184512"                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/04/24 17:51 |
| S6       | 81   | reversed inversion             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/04/24 18:31 |
| S7       | 2    | S5 and S6                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/04/24 18:15 |
| S8       | 1    | S1 and S6                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/04/24 18:15 |

| S9  | 1     | S2 and S6                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 18:15 |
|-----|-------|---------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S10 | . 2   | "20030002600"             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 18:20 |
| S11 | 36218 | revers\$4 same invers\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 18:32 |
| S12 | 2     | S11 and S4                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 18:32 |
| S13 | 4955  | revers\$4 NEAR3 invers\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 18:32 |
| S14 | 1     | S13 and S4                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 18:32 |
| S15 | 1338  | manchester adj1 code      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:19 |

|       |      |                                |                                                                            | T   |      |                  |
|-------|------|--------------------------------|----------------------------------------------------------------------------|-----|------|------------------|
| S16   | 3    | S4 and S15                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/24 19:59 |
| S17   | 1142 | barker adj1 code               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/24 19:59 |
| S18   | 0    | S4 and S17                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON . | 2007/04/24 19:59 |
| S19   | 5578 | (375/130-146,282,308).ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/25 22:20 |
| S20   | 913  | (341/55,70,173,).ccls.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/24 20:31 |
| S21   | 976  | (370/441,483).ccls.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/24 20:22 |
| S22 _ |      | (341/55,70,173,55,67-70).ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/24 20:59 |

| S23 | 127842  | encod\$4 same data same signal                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:30 |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S24 | 7901    | bpsk                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 20:38 |
| S25 | 1049597 | (dc adj1 component) or<br>(dc\$1offset) or (dc\$1balanc\$4) or<br>(dc-balanc\$4) or (dc-offset) or dc<br>or (direct adj1 current)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 20:43 |
| S26 | 1049597 | (first or primary) same (dc adj1 component) or (dc\$1offset) or (dc\$1balanc\$4) or (dc-balanc\$4) or (dc-offset) or dc or (direct adj1 current)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:32 |
| S27 | 944128  | (first or primary) same (dc adj1 component) or (dc\$1offset) or (dc\$1balanc\$4) or (dc-balanc\$4) or (dc-offset) or dc or (direct adj1 current) same signal | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:20 |
| S28 | 944128  | S27 and S25                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 20:49 |
| S29 | 913     | S28 and S19                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 20:58 |

| S30 _ | 142    | S28 and S20                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 20:53 |
|-------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S31   | 97     | S28 and S21                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 20:50 |
| S32   | 463    | S28 and S22                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 20:50 |
| S33   | 317    | S28 and S17                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 20:58 |
| S34   | 8592   | S19 or S20 or S21 or S22                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 20:59 |
| S35   | 1565   | spread\$5 same (encoded near3 data) same signal                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:34 |
| S36   | 944128 | (second or second\$4) same (dc<br>adj1 component) or (dc\$1offset)<br>or (dc\$1balanc\$4) or<br>(dc-balanc\$4) or (dc-offset) or dc<br>or (direct adj1 current) same<br>signal | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/24 21:14 |

| S37 | 315    | S35 and S36                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/04/24 21:06 |
|-----|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------|------|------------------|
| S38 | 69     | S34 and S37                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/04/24 21:06 |
| S39 | 85018  | (second or second\$4) same (dc<br>adj1 component) or (dc\$1offset)<br>or (dc\$1balanc\$4) or<br>(dc-balanc\$4) or (dc-offset) or<br>(direct adj1 current) same signal | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ . | ON   | 2007/04/24 21:14 |
| S40 | 86090  | (first or primary) same (dc adj1 component) or (dc\$10ffset) or (dc\$1balanc\$4) or (dc-balanc\$4) or (dc-offset) or (direct adj1 current) same signal                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON . | 2007/04/24 23:17 |
| S41 | 128296 | (encod\$4 or (manchester adj1 cod\$4)) same data same signal                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON ` | 2007/04/25 21:31 |
| S42 | 40795  | (encod\$4 or (manchester adj1<br>cod\$4)) WITH (data NEAR3<br>signal)                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/04/25 21:47 |
| S43 | 22369  | (first or primary) same ((dc adj1 component) or (dc\$1offset) or (dc\$1balanc\$4) or (dc-balanc\$4) or (dc-offset) or (direct adj1 current)) WITH signal              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/04/25 21:32 |

| S44 | 85   | (first or primary) same<br>((dc\$1balanc\$4) or (dc-balanc\$4)<br>WITH signal)                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:33 |
|-----|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S45 | 34   | (first or primary) WITH ((dc\$1balanc\$4) or (dc-balanc\$4) WITH signal)                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OŅ | 2007/04/25 21:39 |
| S46 | 10   | ("20030108134"   "20040085995"   "20040109509"   "4486739"   "5974464"   "6198413"   "6538584"   "6614369"   "6696988"   "6917312").PN. OR ("7081838").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 21:36 |
| S47 | 429  | ((dc\$1balanc\$4) or (dc-balanc\$4)<br>WITH signal)                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:52 |
| S48 |      | S42 and S47                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:39 |
| S49 | 5578 | (375/130-146,282,308).ccls.                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:47 |
| S50 | 913  | (341/55,70,173,).ccls.                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:47 |

| S51 | 976  | (370/441,483).ccls.                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:47 |
|-----|------|----------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S52 | 2249 | (341/55,70,173,55,67-70).ccls.                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:47 |
| S53 | 8592 | S49 or S50 or S51 or S52                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:47 |
| S54 | 951  | S53 and S42                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:47 |
| S55 | 12   | S54 and S47                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:48 |
| S56 | 4396 | (data near3 source) same<br>(encoder or (manchester adj1<br>cod\$4)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:51 |
| S57 | 10   | S47 and S56                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:49 |

| S58 |      | ("3979746"   "4292626"  <br>"4361895"   "4525848"  <br>"4542420"   "4584695"  <br>"5023891"   "5491713"  <br>"5491729"   "5761255"  <br>"5790610"   "6008746").PN. OR<br>("6628212").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 21:50 |
|-----|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S59 | 2097 | (manchester adj1 cod\$4)                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:58 |
| S60 | 22   | S47 and S59                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:52 |
| S61 | 157  | S53 and S59                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 21:54 |
| S62 | 19   | ("2853357"   "3001140"  <br>"3008124"   "3047853"  <br>"3141929"   "3202975"  <br>"3348149").PN. OR ("4100541").<br>URPN.                                                                  | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 21:57 |
| S64 | 12   | ("3795903"   "4079251"  <br>"4080572"   "4185273"  <br>"4355423"   "4417320"  <br>"4443787"   "4449119").PN. OR<br>("4884074").URPN.                                                       | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 22:01 |
| S65 | 12   | ("4317211"   "4361895"  <br>"4688232").PN. OR ("5163067").<br>URPN.                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 22:02 |
| S66 | 33   | ("4199059"   "4862478"  <br>"5063560"   "5063571"  <br>"5081644").PN. OR ("5216693").<br>URPN.                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 22:08 |

| S67 | 3226   | manchester adj1 (code or encod\$4)                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:19 |
|-----|--------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S68 | . 7066 | (375/130-146,282,308,295).ccls.                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:20 |
| S69 | 283473 | ((dc adj1 component) or<br>(dc\$1offset) or (dc\$1balanc\$4) or<br>(dc-balanc\$4) or (dc-offset) or dc<br>or (direct adj1 current) )same<br>signal | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:35 |
| S70 | 133    | S67 and S68                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:20 |
| S71 | 43     | S69 and S70                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:21 |
| S72 | 70     | ("3099795"   "4179658"  <br>"4455662"   "4888788"  <br>"4912722"   "5177767"  <br>"5193101"   "5228055").PN. OR<br>("5400359").URPN.               | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 22:23 |
| S73 | 8      | S67 and S72                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:23 |

| 1   |     |                                                                                                                                                                                                                                                                                       | 1                                                                          | 1   | 1  | ` '              |
|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S74 | 13  | ("4514732"   "4517669"  <br>"4519068"   "4594708"  <br>"4825209"   "4845751"  <br>"5132989"   "5247923"  <br>"5333135"   "5469152").PN. OR<br>("5652766").URPN.                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 22:25 |
| S75 | 40  | ("4804938"   "4864539"  <br>"4864588"   "4866732"  <br>"4932037").PN. OR ("4995053").<br>URPN.                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 22:25 |
| S76 | 22  | ("3836956"   "4142065").PN. OR<br>("4606052").URPN.                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 22:27 |
| S77 | 40  | ("3287647"   "3311442"   "3406343"   "3461237"   "3488622"   "3503059"   "3521274"   "3705398"   "3747024"   "3801911"   "3806807"   "3846583"   "3919476"   "3962647"   "3980826"   "3993953"   "4041239"   "4064361"   "4083005"   "4170715"   "4503472").PN. OR ("4596023"). URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/25 22:28 |
| S78 | 3   | S67 and S77                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:31 |
| S79 | 805 | spread\$5 WITH (encoded near3 data) same signal                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:36 |
| S80 | 121 | S69 and S79                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:35 |

| \$81 | 97869 | ((dc adj1 component) or<br>(dc\$1offset) or (dc\$1balanc\$4) or<br>(dc-balanc\$4) or (dc-offset) or<br>(direct adj1 current) )same signal | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:35 |
|------|-------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S82  | . 19  | S81 and S79                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:35 |
| S83  | 906   | (spread\$5 or (pn adj1 code ) or<br>prn or (pseudo\$2 random noise))<br>WITH (encoded near3 data) same<br>signal                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:39 |
| S84  | 22    | S81 and S83                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:40 |
| S85  | 0     | S81 and "I2262166993"                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:40 |
| S86  | 31    | "5216693"                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/25 22:40 |
| S87  | 33    | ("4199059"   "4862478"  <br>"5063560"   "5063571"  <br>"5081644").PN. OR ("5216693").<br>URPN.                                            | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 08:02 |

| 588 |       | "6876315"                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 08:31 |
|-----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S89 | 7     | ("4486739"   "5304996"  <br>"5387911"   "5606317"  <br>"5699062"   "5740186").PN. OR<br>("6876315").URPN.                                             | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 08:31 |
| S90 | 336   | (spread\$4) WITH ((dc adj1 component) or (dc\$1offset) or (dc\$1balanc\$4) or (dc-balanc\$4) or (dc-offset) or (drect adj1 current))                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 08:49 |
| S91 | 36613 | (spread adj1 spectrum) or (spread-spectrum)                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 08:48 |
| S92 | 58    | S90 and S91                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 08:48 |
| S93 | 7593  | (transmis\$4 or transmited) WITH ((dc adj1 component) or (dc\$1offset) or (dc\$1balanc\$4) or (dc-balanc\$4) or (dc-offset) or (direct adj1 current)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 08:54 |
| S94 | 69    | S91 and S93                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 08:50 |
| S95 | 23    | ("4392220"   "4481640"  <br>"4641322"   "4864586"  <br>"5073899"   "5132986").PN. OR<br>("5432815").URPN.                                             | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 08:53 |

| S96      | 241393 | (transmis\$4 or transmited) WITH (dc-balanc\$4) or (dc-offset) or (direct adj1 current)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/26 08:54 |
|----------|--------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|------|------------------|
| S97      | 1114   | (transmis\$4 or transmited) WITH (dc-balanc\$4) or (dc-offset) or (dc\$1balanc\$4)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/26 08:55 |
| S98      | 51     | S91 and S97                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON . | 2007/04/26 08:55 |
| S99      | 432    | (transmis\$4 or transmited) WITH (dc-balanc\$4) or (dc\$1balanc\$4)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/26 09:14 |
| S10<br>0 | 8      | S91 and S99                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/26 08:56 |
| S10<br>1 | 7      | ("4486739"   "5304996"  <br>"5387911"   "5606317"  <br>"5699062"   "5740186").PN. OR<br>("6876315").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON   | 2007/04/26 09:06 |
| S10<br>2 | 39     | "5974464"<br>·                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON   | 2007/04/26 09:06 |

| S10<br>3 | 10  | ("20030108134"   "20040085995"   "20040109509"   "4486739"   "5974464"   "6198413"   "6538584"   "6614369"   "6696988"   "6917312").PN. OR ("7081838").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 09:08 |
|----------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S10<br>4 | 10  | ("4463344"   "4486739"  <br>"4488142"   "4910608"  <br>"6198413"   "6400763").PN. OR<br>("6614369").URPN.                                                    | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 09:11 |
| S10<br>5 | 176 | ("3577142"   "3594560"  <br>"3798635"   "4309694").PN. OR<br>("4486739").URPN.                                                                               | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 09:12 |
| S10<br>6 | 432 | (dc-balanc\$4) or (dc\$1balanc\$4)                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 10:19 |
| S10<br>8 | 47  | S106 and S105                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 09:45 |
| S10<br>9 | 6   | "6351501"                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 09:45 |
| S11<br>0 | 22  | ("3836956"   "4142065").PN. OR<br>("4606052").URPN.                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 09:59 |
| S11<br>1 | 6   | "6600771"                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 10:04 |

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| S11<br>2 | 23   | "4606052"                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ . | ON   | 2007/04/26 10:04 |
|----------|------|--------------------------------------------------------------------------|----------------------------------------------------------------------------|-------|------|------------------|
| S11<br>3 | 164  | manchester adj1 (cod\$4 or<br>encod\$4) same (inversion or<br>invers\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/04/26 10:28 |
| S11<br>4 | 22   | "4897854"                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/04/26 10:30 |
| S11<br>5 | 2563 | revers\$5 near3 inversion                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/04/26 10:31 |
| S11<br>6 | 406  | revers\$5 adj1 inversion                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/04/26 10:32 |
| S11<br>7 | 59   | "4620311"                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON . | 2007/04/26 10:32 |
| S11<br>8 | 81   | reversed adj1 inversion                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/04/26 11:41 |

| S11<br>9 | 49 | ("2957947"   "3349117"  <br>"3783383"   "3911395"  <br>"4253185").PN. OR ("4620311").<br>URPN.                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 11:13 |
|----------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|----|------------------|
| S12<br>0 |    | "6449315"                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 11:45 |
| S12<br>1 | 10 | "6614314"                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/04/26 11:45 |
| S12<br>2 | 9  | ("5126602"   "5592125"  <br>"5923190"   "6072336").PN. OR<br>("6614314").URPN.                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 11:46 |
| S12<br>3 | 18 | ("3967061"   "3967062"   "4071692"   "4215245"   "4402084"   "4442528"   "4542420"   "4562422"   "4884074"   "4897854"   "5040193"   "5050194"   "5107490"   "5113186"   "5200980"   "5245635"   "5249186"   "6198413").PN. OR ("6449315").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                               | ADJ | ON | 2007/04/26 11:47 |

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